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CONFIDENTIAL

July 24, 1967

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P. O. Box 6788
Fort Davis Station
Washington, D. C. 20020

Declass Review by NGA.

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Attention:

Reference:

Subject: Thirty-Sixth Monthly Letter Report

Gentlemen:

In accordance with the above referenced contract, the Thirty-Sixth Monthly Letter Report for the month of June 1967 is submitted herewith.

Sincerely,

INFORMATION SYSTEMS MARKETING
AND PLANNING DEPARTMENT

25X1

Manager, Contracts
Information Systems Division

WAK:ck

Enclosure: One (1) to Contracting Officer
Four (4) directly to Technical Monitor

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CONTACT DUPLICATING AND RESEAU PRINTER

AND

HIGH RESOLUTION STEP AND REPEAT PRINTER

THIRTY-SIXTH MONTHLY LETTER REPORT

July 10, 1967

Period: June 1, 1967 to June 30, 1967

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1.0 CONTACT DUPLICATING AND RESEAU PRINTER

1.1 Purpose

The overall objective of the current contract is the design, fabrication, test and delivery of a photographic step and repeat Contact Duplicating and Reseau Printer. Prime design goals are high-speed automatic operation, variable format capability, and high resolution with minimum film distortion or damage. The delivered equipment will accommodate films of 70 mm to 9½" width with frame lengths up to 30 inches and will provide operation in the Reseau mode and selective mode as options.

1.2 Activity of this Report Period

The revised printed circuit boards were calibrated with the proper capacitance/resistance values and installed in the Printer. Tests showed satisfactory performance in conjunction with the new aperture plate, and displayed an improved latitude of automatic exposure control. Resolution tests were completed over the entire platen area using the Government furnished target. Results averaged well over 300 lpm.

The Test Plan procedure was performed on the Printer in preparation for Preliminary Acceptance Tests scheduled for July 5, 6, 7th, 1967.

Final adjustments were made to the Pre-View & Punch Station and satisfactory results are being obtained. Reseau prints were punched and reprinted on the Reseau platen to demonstrate punching accuracy. Sample prints were sent to the Government monitors for analysis.

The Operations and Maintenance Manual was completed and released for printing.

1.3 Plans for Next Report Period

Demonstrate Test Plan to program monitors for Preliminary Acceptance Tests.

Conduct Training Program for Government representatives on July 10 to 14th, 1967.

Provide Operations and Maintenance Manuals to trainees.

Clean up machine and perform maintenance check prior to shipping Printer to Government facility.

Install Printer at Government facility and perform final Acceptance Tests.

1.4 Problems

Satisfactory results are being achieved on the Pre-View & Punch Station. However, some problem still exists in repeatability of results, possibly due to movement of film during the punching operation. Additional improvements have been proposed for the Punching Station.

1.5 Documentation

Sample Reseau prints demonstrating punching and printing accuracy have been submitted to the program monitors for measurement.

1.6 Questions Outstanding

None.

2.0 High Resolution Step and Repeat Printer

2.1 Purpose

The purpose of this effort is to design, fabricate, test and deliver in twenty months a high precision step and repeat, photographic contact printer. This printer will be capable of producing photographic contact prints of the highest possible quality, resolution, and acutance from roll film of widths varying from 70mm to 9½" and in pre-selected frame lengths from 5 inches up to a maximum of 30 inches.

2.2 Activity of this Report Period

There was no activity this month.

2.3 Documentation

None.

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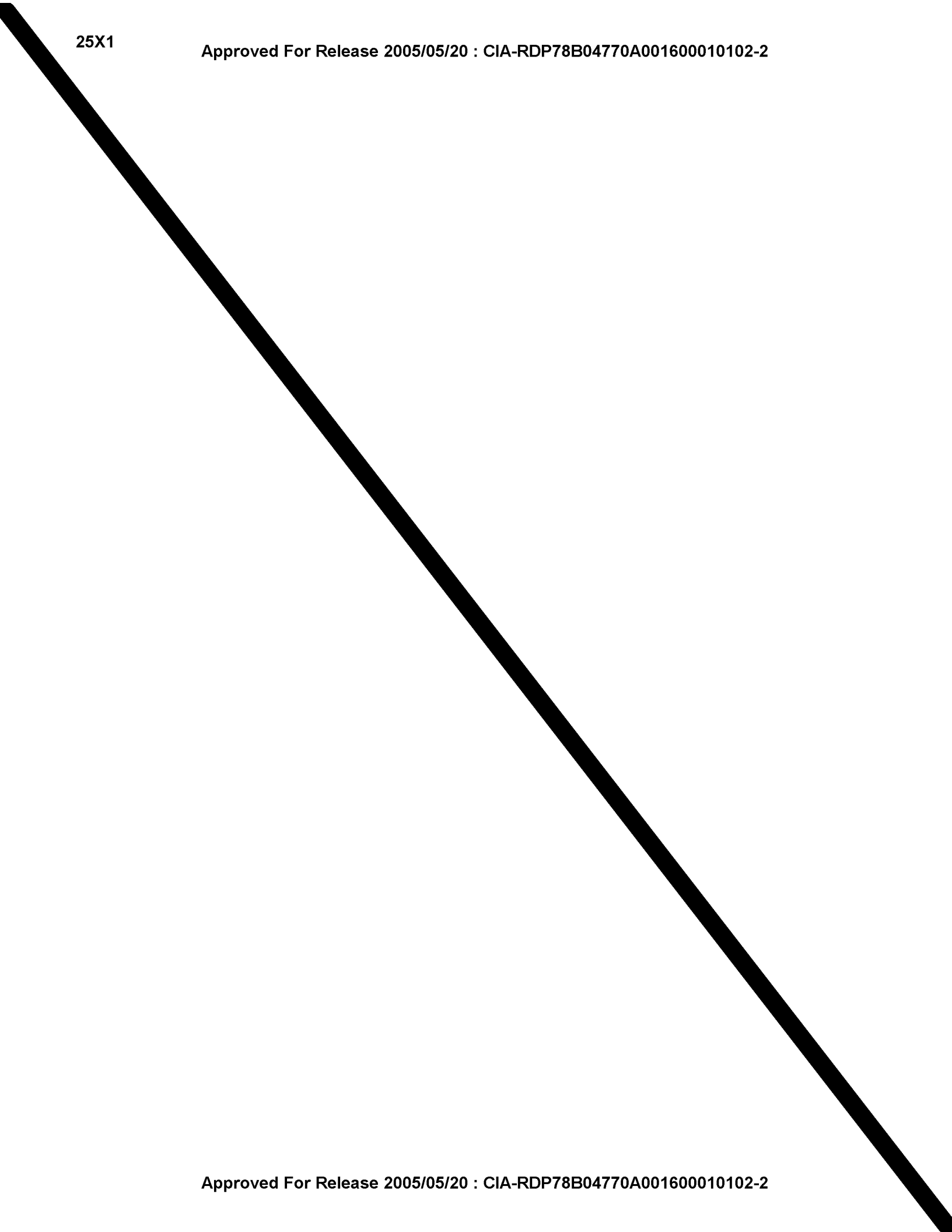

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